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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,571	02/08/2006	Peter Boehland	R305609	9294
2119 RONALD E. G	7590 08/18/200 REIGG	EXAMINER		
	EIGG P.L.L.C.	KIM, CHRISTOPHER S		
1423 POWHATAN STREET, UNIT ONE ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
			3752	
			MAIL DATE	DELIVERY MODE
			08/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
Office Action Summary		10/567,571	BOEHLAND ET AL.			
		Examiner	Art Unit			
		Christopher S. Kim	3752			
Period fo	The MAILING DATE of this communication a	-				
A SH WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD FOR REF CHEVER IS LONGER, FROM THE MAILING isions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory perion to reply within the set or extended period for reply will, by state pely received by the Office later than three months after the mated patient term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 1.136(a). In no event, however, may a reply be dod will apply and will expire SIX (6) MONTHS froute, cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).			
Status						
1) 又	Responsive to communication(s) filed on <u>08</u>	R Fahruary 2006				
2a)□		his action is non-final.				
3)□	<i>'—</i>		prosecution as to the merits is			
٠,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
4)⊠	Claim(s) <u>8-27</u> is/are pending in the application	on.				
, —	4a) Of the above claim(s) is/are withdrawn from consideration.					
	5) Claim(s) is/are allowed.					
· · _ ·	6)⊠ Claim(s) <u>8-27</u> is/are rejected.					
· · · · · · · · · · · · · · · · · · ·	Claim(s) is/are objected to.					
'=	Claim(s) are subject to restriction and	d/or election requirement.				
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>2/8/06</u> .	4) Interview Summa Paper No(s)/Mail 5) Notice of Informa 6) Other:	Date			

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed on February 8, 2006 does not fully comply with the requirements of 37 CFR 1.98(b) because: there is no U.S. patent or U.S. patent application publication having the number 2003/00715154A1.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 8- rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 9 recites "the additional valve device comprise a cylindrical switch body" in lines 1-2. First, it is grammatically incorrect. Second, the "cylindrical switch body" appears to be a double inclusion of the "axial boundary face" recited in claim 8, line 9. Is it not the cylindrical switch body that has the axial boundary face?

In claim 12, the recitation "a region of the control chamber" in line 4 appears to be a double inclusion of the "at least one region of the control chamber " recited in claim 8, line 13.

Claims 14-19 recite "the first valve element" in line 2. There is insufficient antecedent basis for this limitation in the claim.

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The term "comparatively slight" in claims 14-19 is a relative term which renders the claims indefinite. The term "comparatively slight" is not defined by the claims, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. It is uncertain what pressure is defined by the claims.

Claims 20-27 recite "the second valve element" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 8-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Boecking (US 2002/0043569 A1; 6,634,569).

Boecking discloses a fuel injection device having:

one valve element 26;

a pressure chamber 28;

an actuating device 24;

another valve element 18 having a hydraulic control face 21;

a hydraulic control chamber 9, 11, 17;

a high-pressure connection 12;

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an actuating device 7 having a control valve 6;
             a low-pressure connection 29;
             an additional valve device 3 including an axial boundary face;
             at least one region 17 of the control chamber 9, 11, 17;
             the additional valve device 3 comprises:
                    a cylindrical switch body that has:
                           a first valve edge 16.1;
                           a second valve edge 15;
                           a hydraulic control face (cylindrical and end surfaces);
             a fluid conduit 10;
             a sealing portion 16.2 on an axial boundary face of the control chamber 9,
11, 17.
6.
      Claims 8-27 are rejected under 35 U.S.C. 102(b) as being anticipated by
Boecking (US 2003/0089792 A1; WO02/36958; 6,848,630).
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Boecking discloses a fuel injection device having:

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one valve element 5;
a pressure chamber 21;
an actuating device 4;
another valve element 16 having a hydraulic control face 17;
a hydraulic control chamber 15;
a high-pressure connection 11;
an actuating device 10 having a control valve;
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a low-pressure connection 28;

an additional valve device 3 including an axial boundary face;

the additional valve device 3 comprises:

a cylindrical switch body that has:

a first valve edge 23;

a second valve edge 22;

a hydraulic control face 32;

a fluid conduit 14;

a sealing portion 30 on an axial boundary face of the control chamber 15;

a central through opening (lower portion of 32).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher S. Kim whose telephone number is (571) 272-4905. The examiner can normally be reached on Monday - Friday, 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Len Tran can be reached on (571) 272-1184. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christopher S. Kim/ Primary Examiner, Art Unit 3752

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